

USER GUIDE

CUSTOM MODELS:

CIC

REMOTE MICROPHONE

MINI-CANAL

ITC (IN-THE-CANAL) & ITE (IN-THE-EAR)



ReSound



rediscover hearing

Introduction

Congratulations on the purchase of your new hearing instruments. ReSound's innovative sound technology and design, combined with the customised set-up selected by your hearing care professional, will make hearing a more enjoyable experience. Hearing instruments will enable you to hear sounds that you may not have heard in years because of your hearing loss. Practice and a positive attitude are important in learning to use hearing instruments. Your ReSound instruments have been adjusted according to your individual hearing loss and needs. Some people adjust quickly to wearing hearing instruments in their ears and hearing new sounds; other people may need more time.

Please read this manual carefully in order to wholly benefit from the use of your hearing instruments. With proper care, maintenance, and usage, your hearing instruments will aid you in better communication for many years. Ask your hearing care professional if you have any questions.

ReSound is a registered trade mark of GN ReSound A/S

Hearing instrument model: _____

Battery size: _____ Tube type: _____ Dome size: _____

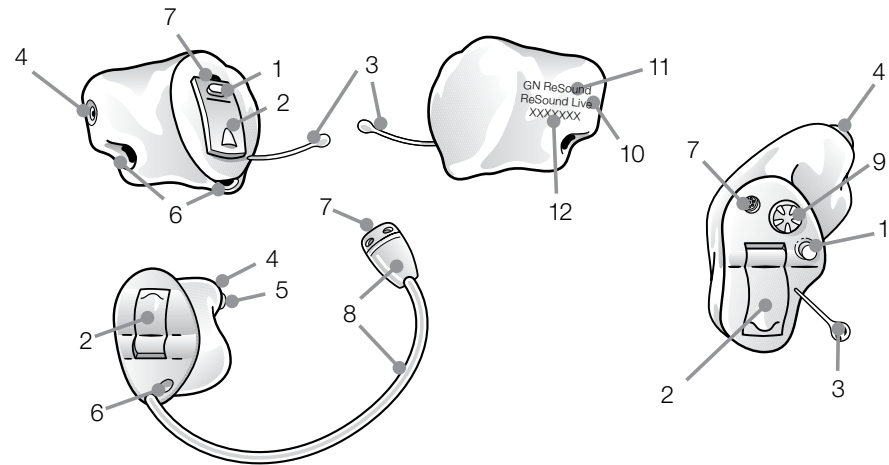
Left serial number: _____ Right serial number: _____

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Description of the hearing instruments: Completely-in-the-canal (CIC), remote microphone, and mini-canal ReSound Live™
LV10, LV710, LV510; LV10-B, LV710-B, LV510-B; LV10-P, LV710-P, LV510-P; LV10-BP, LV710BP, LV510BP; LV10-M, LV710-M, LV510-M; LV10-MP, LV710-MP, LV510-MP; LV20, LV720, LV520; LV20-P, LV720-P, LV520-P, LV30-M, LV730-M, LV530-M; LV30-MP, LV730-MP, LV530-MP; LV30-MU, LV730-MU, LV530-MU

1. Programme button (*optional*)
2. Battery compartment and On/Off switch
3. Removal cord (*optional*)
4. Sound outlet
5. Wax filter
6. Venting
7. Microphone sound inlet(s)
8. Remote microphone and tubing (*for remote microphone devices*)
9. Volume control (*optional*)
10. Model
11. Manufacturer
12. Serial number

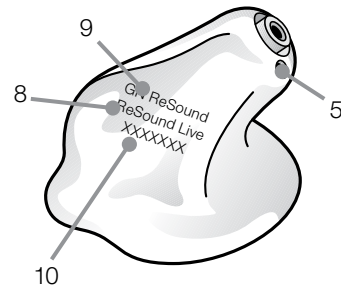
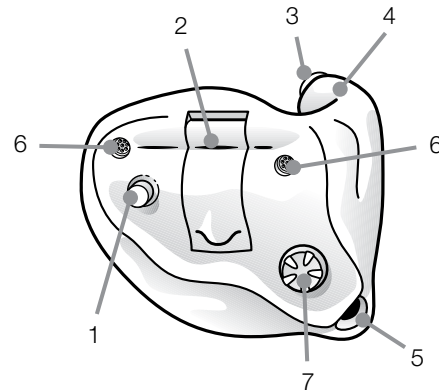


**In-the-canal (ITC)
and In-the-ear (ITE)**

ReSound Live™

**LV30, LV730, LV530; LV30-P,
LV730-P, LV530-P; LV30-D,
LV730-D, LV530-D; LV30-DP,
LV730-DP, LV530-DP
LV40, LV740, LV540; LV40-D, LV740-D,
LV540-D; LV40-P, LV740-P, LV540-P;
LV40-DP, LV740-DP, LV540-DP
LV50, LV750, LV550; LV50-P,
LV750-P, LV550-P; LV50-D, LV750-D,
LV550-D; LV50-DP,
LV750-DP, LV550-DP**

1. Programme button (*optional*)
2. Battery compartment and On/Off switch
3. Sound outlet
4. Wax filter
5. Venting
6. Microphone sound inlet(s)
7. Volume control (*optional*)
8. Model
9. Manufacturer
10. Serial number

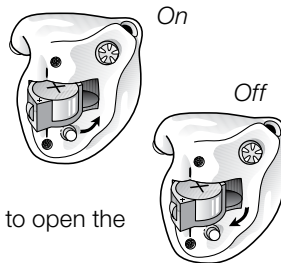


Getting started

On/Off function

1. When the battery door is closed, the hearing instrument turns on, and the default program will be activated.
2. To turn off the hearing instrument off, open the battery door. Many individuals can use their fingernail to pull it open.

Tip: Whenever the hearing instruments are not in use, remember to open the battery doors to avoid unnecessary battery consumption.



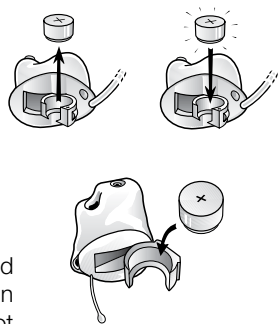
SmartStart

Hearing instruments can be turned on once you have placed them on your ears. If you prefer to turn them on just prior to placing them in your ears, your hearing care professional can activate a function called SmartStart. This function will delay the time in which the hearing instruments turn on by ten seconds after the battery compartment is closed. This reduces the risk that the hearing instruments will whistle while you put them in. With SmartStart, a beep will be heard for each second of the delay period.

Inserting/Replacing the battery

1. Open the battery door completely by using your fingernail.
2. Remove the used battery if present. Insert the new battery with the positive side in the correct position. The battery door has a '+' indicator to help determine the correct insertion.
3. Always use Zinc-Air batteries.
4. Gently close the battery door.

Tip: When the hearing instruments are not in use for an extended period of time, removing the batteries may help prevent corrosion of the battery compartment, and ensure that battery life is not shortened.



Low battery indicator

Your hearing care professional can activate a low battery indicator in your hearing instruments. The hearing instrument will reduce amplification and emit a beep signal if battery power gets too low. This signal will recur every five minutes until the hearing instrument automatically switches off. The low battery indicator can vary slightly, depending on the type of battery used. It is recommended that you keep spare batteries on hand.

Inserting/Removing hearing instruments

Insertion (CIC, mini-canal, ITC, and ITE)

1. Hold the hearing instrument between your thumb and index finger, either above and below or on the sides.
2. Place the sound outlet portion into your ear canal. Turn the top part of the hearing instrument gently backwards and forwards so that it tucks behind the fold of skin above your ear canal.
3. Insert the hearing instrument into your ear canal. Opening and closing your mouth may ease insertion.



Insertion (remote microphone)

1. Hold the hearing instrument between your thumb and index finger, either above and below or on the sides.
2. Place the sound outlet portion into your ear canal. Turn the top part of the earmould gently backwards and forwards so that it tucks behind the fold of skin above your ear canal.
3. Insert the hearing instrument into your ear canal. Opening and closing your mouth may ease insertion.
4. Gently push the microphone into the creased area of the ear that is located above the microphone entrance, and make sure the tubing is in place.



By experimenting, an easier method may be discovered. With proper insertion, hearing instruments should fit snugly but comfortably. If hearing instruments cause irritation of the ears, contact your hearing care professional. Never attempt to modify the shape of the hearing instrument yourself.

Tip: It may be helpful to pull your ear up and outward with your opposite hand during insertion.

Removal (ITC and ITE)

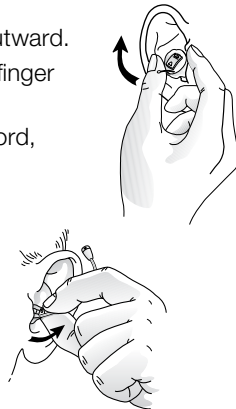
1. Hold the edges of the hearing instrument with your thumb and forefinger.
2. Pull outward while slightly rotating your hand forward.



Removal (CIC, remote microphone, and mini-canal)

1. Hold the removal cord with your thumb and index finger and pull outward.
2. Hold the edges of the hearing instrument with your thumb and forefinger and pull outward while slightly rotating your hand forward.
3. If remote microphone hearing instruments do not have a removal cord, gently pull outward with the microphone tubing.

Note: Consult your hearing care professional if you have difficulty removing the hearing instruments.

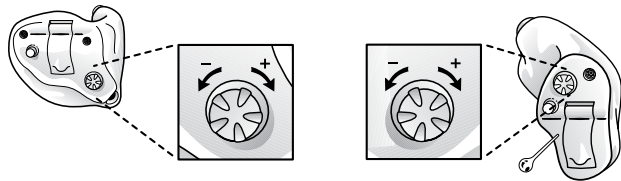


Operation of the hearing instrument

Volume control (ITC and ITE models)

The volume control will allow the volume of hearing instruments to be increased or decreased.

1. To increase the volume, rotate the volume control forward (towards your face when you are wearing the hearing instruments).
2. To decrease the volume, rotate the volume control backward (away from your face).



When volume is increased or decreased, a beep signal will be heard for each incremental change. When the upper or lower limits of the volume range are reached, a beep signal with a longer duration will be heard.

If available on your model, your hearing care professional may have activated a function that enables the hearing instruments to learn how you adjust the volume control settings. With this function, the hearing instruments will learn your volume preferences over time, and will adjust the volume automatically. This can be deactivated or reset by your hearing care professional.

Programme button

Depending on your experience level with hearing instruments, individual hearing needs, and the type of listening environments you experience, your hearing care professional may activate additional programmes in the hearing instrument. If additional programmes have been activated, the following list explains how they work.

1. You can switch between programmes by pushing the programme button once.
2. You will then hear one or more beeps. The number of beeps indicates which programme you have selected (one beep=programme one, two beeps=programme two, etc.).
3. When the hearing instruments are turned off and then back on, the hearing instrument always returns to the default setting (programme one).

Programme	Description of when to use
1	
2	
3	
4	

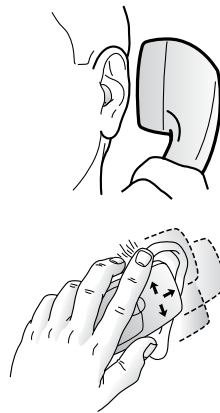
Stand-by function

Some individuals may find that they would like the hearing instruments muted in certain situations while wearing them. Your hearing care professional can activate a stand-by function in your hearing instruments, which causes them to not process or amplify sound. The stand-by function can be accessed by pressing and holding the programme button for five seconds. A series of beeps will be presented prior to activation of the stand-by function. To return to the default programme and de-activate the stand-by function, press the programme button once (this is possible after at least five seconds in the stand-by mode).

Telephone use

Finding the optimal position for holding a telephone may require practice for some individuals, and one or more of the following suggestions may be helpful.

1. Hold the telephone as you would normally.
2. Hold the telephone towards the top of the ear (closer to where the microphones are).
3. If whistling occurs, holding the telephone in the same position may help the hearing instrument to adapt.
4. Any whistling may also be decreased by holding the telephone slightly away from the ear.
5. Depending on your individual needs, your hearing care professional may activate a programme specifically for telephone use.



Telecoil (optional on some ITC, ITE, and remote microphone models)

If equipped, a telecoil can be activated by your hearing care professional and accessed through one of the additional programmes. A telecoil picks up a telephone's magnetic signal and converts it to sound. An optional telephone programme may help to improve speech understanding on the telephone. When using a telecoil programme, the receiver of the telephone may need to be held closer to the hearing instrument. The handset of the telephone may need to be moved to slightly different positions in order to find the best reception.

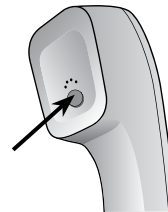
PhoneNow

The PhoneNow function, available on some hearing instrument models, allows your hearing instrument to automatically switch to your telephone program when a telephone receiver is raised to the ear. When the telephone receiver is removed from the ear, the hearing instrument automatically returns to the previous listening program.

Placement of PhoneNow magnets

While some telephone receivers produce a magnetic field strong enough to activate the PhoneNow function, other telephone receivers require an additional magnet to be placed on the telephone receiver. In order to place the PhoneNow magnet properly:

1. Clean the telephone receiver thoroughly.
2. Hold the telephone vertically, in a position similar to when making a telephone call.
3. Place the magnet just below the telephone receiver. If necessary, move the magnet to another position to improve ease of use and comfort while speaking.



PhoneNow usage

Telephones can be used in a normal manner. A beep signal will indicate that the PhoneNow feature has automatically switched the hearing instrument to your telephone program. Initially, you may need to move the telephone receiver slightly to find the best position for reliable PhoneNow activation and good hearing on the telephone.

PhoneNow precautions

1. Keep magnets out of reach of pets, children and mentally challenged persons. If a magnet is swallowed, please seek advice from a medical practitioner.
2. The magnet used to strengthen the magnetic field of a telephone receiver may affect some medical devices or electronic systems. Always keep the magnet or a telephone equipped with the magnet at least 30cm (12") away from pacemakers, credit cards and other magnetically sensitive devices.

3. High distortion during dialing or phoning may mean that the telephone receiver is stressed by the magnet. To avoid any damage, please move the magnet to another place on the telephone receiver.

Tele-loop systems

Many places, such as theatres, houses of worship, and schools are equipped with tele-loop systems. When using a telecoil programme with tele-loop systems, sound is picked up directly and may improve speech understanding. If there is no sound from the hearing instruments in a tele-loop system and with a telecoil programme activated, the tele-loop system may not be turned on or is not operating correctly. If a facility is not equipped with a tele-loop system, sitting as close as possible to the front may be helpful.

Care and maintenance

Proper handling

1. Never immerse hearing instruments in water or other liquids, as liquids may cause permanent damage to the hearing instruments.
2. Avoid rough handling of hearing instruments or dropping them on hard surfaces or floors.
3. Do not leave hearing instruments in or near direct heat or sunlight, as excessive heat can cause damage or deform the casing.
4. Hair spray, make-up, etc. may damage hearing instruments, and they should be removed prior to the application of cosmetics.

Daily maintenance

It is important to keep your hearing instrument clean and dry. On a daily basis, clean the hearing instruments using a soft cloth or tissue. Remove any wax or debris from hearing instruments using a brush and/or a wire loop. In order to avoid damage due to humidity or excessive perspiration, the use of a drying kit is recommended. Some drying kits are electric, and in addition to thoroughly drying out hearing instruments, they may help sanitize.

Replacing wax filters

Custom hearing instruments may have wax filters that protect against wax and moisture. It is recommended that these are changed as needed.

To change these filters, the following steps are needed:

1. Brush the sound outlet area with the sound outlet pointed down.
2. Insert the threaded end of the wax filter tool into the used wax filter, and gently rotate clockwise.
3. Gently pull until the used filter is removed.
4. Discard the used filter in the slot located in the wax filter kit by pressing it into the center, sliding it to one end of the slot, and pull until the filter is discarded.

5. Flip the wax filter tool around, locate a new filter in the dial, and press the tip of the tool into the center of the dial.
6. Gently pull the new filter out of the dial.
7. Align the new filter to the sound outlet.
8. Press the new filter into the opening, and simultaneously pull and rock back and forth until the new wax filter is in place.

Tip: Pressing on the new filter with the flat side of the wax filter tool can give extra insurance that the filter is correctly in place.

Note: If a different type of wax filter is used for your hearing instruments, or if your hearing instruments do not utilise wax filters, consult your hearing care professional for proper instruction.

General precautions

1. Do not leave hearing instruments in the sun, near an open fire, or in a hot, parked car.
2. Do not wear hearing instruments while showering, swimming, in heavy rain, or in a moist atmosphere such as a steam bath or sauna.
3. Should the hearing instrument become moist, remove the battery and place the hearing instrument in a closed container with a drying agent. Your hearing care professional can provide options for drying containers or kits.
4. Remove the hearing instruments when applying items such as cosmetics, perfume, after shave, hair spray, and suntan lotion.

General warnings

1. Consult a hearing care professional if you discover a foreign object in your ear canal, if you experience skin irritation, or if excessive ear wax accumulates with the use of the hearing instrument.
2. Different types of radiation, from e.g. NMR, MRI, or CT scanners, may damage hearing instruments. It is recommended not to wear hearing instruments during these or other similar procedures. Other types of radiation, such as burglar alarms, room surveillance systems, radio equipment, mobile telephones, contain less energy and will not damage hearing instruments. However, they have the potential to momentarily affect the sound quality or temporarily create strange sounds from hearing instruments.
3. Do not wear hearing instruments in mines, oil fields, or other explosive areas unless those areas are certified for hearing instrument use.

4. Do not allow others to use your hearing instruments. This may cause damage to the hearing instruments or to the hearing of the other individual.
5. Due to choking hazards, hearing instrument usage by children or mentally challenged individuals should be supervised at all times.
6. Hearing instruments should be used only as prescribed by your hearing care professional. Incorrect use may result in hearing loss.

Battery warning information

Batteries, although very small, contain dangerous substances, and should be disposed of carefully. This is for the safety of you and the environment. Please note:

1. DO NOT attempt to recharge standard zinc air batteries. They may leak or explode.
2. DO NOT attempt to dispose of batteries by burning them.
3. DO NOT place batteries in your mouth. Consult a physician immediately if a battery has been swallowed, as they can be harmful to your health.
4. Keep batteries away from pets, children and mentally challenged persons.

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	POSSIBLE REMEDY
No sound	• Not turned on • Dead battery • Battery door will not close • Blocked wax filter	• Turn on by closing the battery door • Replace battery • Insert battery properly • Replace wax filter or consult your hearing care professional

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	POSSIBLE REMEDY
Not loud enough	• Incorrect hearing instrument placement • Blocked sound outlet filter • Change in hearing sensitivity • Excessive ear wax • Volume set too low	• Reinsert hearing instrument carefully • Change filter or consult your hearing care professional • Consult your hearing care professional • Consult your physician • Increase the volume control if available or consult your hearing care professional

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	POSSIBLE REMEDY
Excessive whistling / feedback	• Incorrect hearing instrument placement • Excessive ear wax • Feedback control may need to be adjusted • Hearing instrument settings not optimal	• Re-insert hearing instrument carefully • Consult your physician • Consult your hearing care professional • Consult your hearing care professional

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	POSSIBLE REMEDY
Sound distorted / not clear	• Weak battery • Improper hearing instrument fit • Hearing instrument damaged • Hearing instrument settings not optimal	• Replace battery • Consult your hearing care professional • Consult your hearing care professional • Consult your hearing care professional

*If there are any other problems not mentioned in this guide,
please contact your hearing care professional.*

TECHNICAL DATA ITCs and ITEs

Hearing Instrument Model	Maximum output (2ccCoupler / IEC 60118-7)
LV30, LV730, LV530	112dB SPL (typical)
LV30-P, LV730-P, LV530-P	118dB SPL (typical)
LV30-D, LV730-D, LV530-D	112dB SPL (typical)
LV30-DP, LV730-DP, LV530-DP	118dB SPL (typical)
LV40, LV740, LV540	119dB SPL (typical)
LV40-P, LV740-P, LV540-P	125dB SPL (typical)

TECHNICAL DATA ITCs and ITEs

Hearing Instrument Model	Maximum output (2ccCoupler / IEC 60118-7)
LV40-D, LV740-D, LV540-D	119dB SPL (typical)
LV40-DP, LV740-DP, LV540-DP	125dB SPL (typical)
LV50, LV750, LV550	119dB SPL (typical)
LV50-P, LV750-P, LV550-P	125dB SPL (typical)
LV50-D, LV750-D, LV550-D	119dB SPL (typical)
LV50-DP, LV750-DP, LV550-DP	125dB SPL (typical)

TECHNICAL DATA CIC, mini-canal, and remote microphone

Hearing Instrument Model	Maximum output (2ccCoupler / IEC 60118-7)
LV10, LV710, LV510	112dB SPL (typical)
LV10-P, LV710-P, LV510-P	111dB SPL (typical)
LV10-B, LV710-B, LV510-B	109dB SPL (typical)
LV10-BP, LV710-BP, LV510-BP	113dB SPL (typical)
LV20, LV720, LV520	108dB SPL (typical)
LV20-P, LV720-P, LV520-P	111dB SPL (typical)
LV10-M, LV710-M, LV510-M	109dB SPL (typical)
LV10-MP, LV710-MP, LV510-MP	117dB SPL (typical)

TECHNICAL DATA CIC, mini-canal, and remote microphone

Hearing Instrument Model	Maximum output (2ccCoupler / IEC 60118-7)
LV30-M, LV730-M, LV530-M	110dB SPL (typical)
LV30-MP, LV730-MP, LV530-MP	118dB SPL (typical)
LV30-MU, LV730-MU, LV530-MU	126dB SPL (typical)

Warranty and repairs

ReSound grants a comprehensive warranty on hearing instruments from the date on the warranty card. Hearing instruments will be repaired or replaced by Resound when examination of the hearing instruments proves the existence of any defects in workmanship or materials.

The warranty period of hearing instruments is designated on your warranty card, which is provided by your hearing care professional.

ReSound hearing instruments that malfunction must be repaired by a qualified technician. Do not attempt to open the case of hearing instruments, as this will invalidate the warranty. For hearing instruments that require service, please contact your hearing care professional for assistance.



Please ask your local hearing care professional concerning disposal of your hearing instrument



Faceplate/Electronics by: GN ReSound A/S

Any issues relating to the EU Medical Device Directive 93/42/EEC should be directed to GN ReSound A/S.

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ReSound



rediscover hearing